

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/019670

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D223/16 A61K31/55 A61P25/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BEILSTEIN Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	KRULL, OLAF ET AL: "Synthesis and structure/NMDA receptor affinity relationships of 1-substituted tetrahydro-3-benzazepines" BIOORGANIC & MEDICINAL CHEMISTRY, 12(6), 1439-1451 CODEN: BMECEP; ISSN: 0968-0896, 2004, XP002306863 abstract page 1442; table 2	1-123
P,X	WO 03/086306 A2 (ARENA PHARMACEUTICALS, INC., USA) 23 October 2003 (2003-10-23) abstract examples claims ----- -/--	1-123

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

22 November 2004

Date of mailing of the international search report

09/12/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CHANG, WEI K. ET AL: "Dopamine receptor binding properties of some 2,3,4,5-tetrahydro-1H-3- benzazepin-7-ols with nonaromatic substituents in the 5-position" BIOORGANIC & MEDICINAL CHEMISTRY LETTERS , 2(5), 399-402 CODEN: BMCLE8; ISSN: 0960-894X, 1992, XP002306864 abstract page 401; table 1 -----	1-123
X	EP 0 285 919 A1 (SCHERING CORP., USA) 12 October 1988 (1988-10-12) abstract examples; tables claims -----	1-123

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 78-104, 107-114 are directed to a diagnostic method practised on the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/019670

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 03086306	A2	23-10-2003	US	2003225057 A1	04-12-2003
			EP	1411881 A2	28-04-2004
EP 0285919	A1	12-10-1988	AT	112766 T	15-10-1994
			AU	619744 B2	06-02-1992
			AU	1596488 A	02-11-1988
			CA	1321195 C	10-08-1993
			DE	3851769 D1	17-11-1994
			DK	652688 A ,B,	23-11-1988
			EP	0357641 A1	14-03-1990
			FI	894566 A	27-09-1989
			HU	53882 A2	28-12-1990
			IL	85855 A	21-02-1993
			JP	2502723 T	30-08-1990
			JP	6062574 B	17-08-1994
			KR	9311489 B1	08-12-1993
			MX	9203394 A1	01-07-1992
			NO	885096 A ,B,	15-11-1988
			NZ	224038 A	26-10-1990
			PH	27337 A	08-06-1993
			PT	87068 A ,B	01-04-1988
			WO	8807526 A1	06-10-1988
			US	5015639 A	14-05-1991
			US	5247080 A	21-09-1993
			ZA	8802080 A	26-04-1989